**Date:** May 27, 2021

**Previous Week**

**Goal:** Anomaly Detection Model (Proposal goal was Implement Model for this week but model being built this week)

**Completed:**

* **Ongoing EDA (completed as far as can be based on timeline/data availability)**
* **Select anomaly detection model**
* **Meet with domain experts**
* **Built Shiny app to support anomaly labelling**
* **Download and manually label 5 sensors**

**Issues:**

* Still don’t have easy access to all data and current access method is time consuming
* Labelling data is time intensive – discussed with Irene and Scott moving forward without spending time labelling data, don’t have time for this
* Not as far as we’d like to be with the model build/performance evaluation based on the original proposal

**Outstanding/Carryover:**

* **Completing Model Pipeline**
  + Needs to be complete by end of weekend – this is the model we will need to largely stick with for the remainder of the study, minor tweaks are possible but not large tweaks
* **Run model on datasets downloaded**
  + Needs to be complete by end of weekend
* **Did not have time to look at Azure**
  + Putting this somewhat on hold until the above gets on track

**New Week**

**Goal:** Value Week – will be implementing model/tuning

**New Tasks:**

* **Start Dashboard**
  + Will carry into Week 6
* **Implement Model**
  + Needs to be complete by the end of the coming week
* **Evaluate Model/Tune Performance/Document**
  + Needs to be complete by the end of the coming week

**Week 3 pushed into Week 4 and Week 4 pushed into Week 5. Therefore, Value Week (which was catching up on tasks/potentially looking at additional tasks) is being used as catch up.**

**Issues/Resources Needed:**

1. Access to all of the data in InfluxDB would be really useful (if possible) both from downloading additional data to look at as well as implementing our system with InfluxDB.
2. Ultimately if streaming is not built with InfluxDB, our system will be built around an offline system that could be implemented with InfluxDB at a later time.

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| **Person** | **In Progress** | **New** |
| **Nate** | * Status Presentation * Support model pipeline and model evaluation | * Implement Model * Model Tuning and Evaluate Performance/Document |
| **Mitch** | * Build Model Pipeline | * Implement Model |
| **Ryan** | * Evaluate Model Performance | * Model Tuning and Evaluate Performance/Document |
| **ALL** |  |  |
| **Currently Unassigned** | * Review Azure | * Start Dashboard |